

SCALE DRAWINGS

Your goal is to measure 13 objects in our classroom and draw a scale drawing of the room. The scale drawing will be a top-view or a footprint of our classroom.

Measure the following items in the room. Remember you are measuring in feet, but using a yard stick...be careful! Measure objects to the nearest half foot.

DAY 1: With a partner, get all the objects measured, set up a proportion and solve for scale drawings.

DAY 2: Individually, draw a scale drawing of the classroom, with all objects labeled.

Object:	Length Proportion: $\frac{\frac{1}{4} \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	If needed Width Proportion: $\frac{\frac{1}{4} \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	NEW LENGTH MEASUREMENT	NEW WIDTH MEASUREMENT
1. Black cabinet behind teacher desk				
2. Student desks (Do you think you need to measure each desk?)	2ft	2ft		
3. Teacher desk	5ft	2.5 ft		
4. Computer table	5ft	2ft		

5. Missing work table	4.5ft	2ft		
6. Table with turn-in baskets	5ft	2ft		
7. Octagon Table	4ft	4ft		
8. Front wall	29ft			
9. Back wall	39ft			
10. North wall (Assume this wall continues straight and connects to the front wall)	33ft			
11. South wall	21ft			
12. Windows	10.5ft			
13. Door to Mrs. Van Lith's room	3ft			

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